

## § 21.901

contains information and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

### § 21.901 Frequencies.

(a) Frequencies in the bands 2150–2162 MHz, 2596–2644 MHz, 2650–2656 MHz, 2662–2668 MHz, 2674–2680 MHz and 2686–2690 MHz are available for assignment to fixed stations in this service. Frequencies in the band 2150–2160 MHz are shared with nonbroadcast omnidirectional radio systems licensed under other parts of the Commission's Rules, and frequencies in the band 2160–2162 MHz are shared with directional radio systems authorized in other common carrier services. Frequencies in the 2596–2644 MHz band are shared with Instructional Television Fixed Service stations licensed under part 74 of the Commission's Rules. Channels 15, I13, I6 and I14, listed in § 74.939(j) of this chapter, are assigned to fixed stations in the 2596–2620 band, and are shared with Instructional Television Fixed Service Stations licensed under part 74 of the Commission's Rules to operate in this band; grandfathered channels I21, I29, I22 and I30, listed in § 74.939(j) of this chapter, are licensed under part 21 or part 74 of the Commission's Rules, as applicable.

(b) Applicants may be assigned a channel(s) according to one of the following frequency plans:

(1) At 2150–2156 MHz (designated as Channel 1), or

(2) At 2156–2162 MHz (designated as Channel 2), or

(3) At 2156–2160 MHz (designated as Channel 2A), or

(4) At 2596–2602 MHz, 2608–2614 MHz, 2620–2626 MHz, and 2632–2638 MHz (designated as Channels E1, E2, E3 and E4, respectively, with the four channels to be designated the E-group channels), and Channels I5 and I13 listed in § 74.939(j) of this chapter,<sup>1</sup> or

(5) At 2602–2608 MHz, 2614–2620 MHz, 2626–2632 MHz and 2638–2644 MHz (designated as Channels F1, F2, F3 and F4, respectively, with the four channels to be designated the F-group channels), and Channels I6 and I14, listed in § 74.939(j) of this chapter,<sup>1</sup> or

(6) At 2650–2656 MHz, 2662–2668 MHz and 2674–2680 MHz (designated as Channels H1, H2 and H3, respectively, with

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the three channels to be designated the H-group channels).<sup>1</sup>

(c) Channel 2 will be assigned only where there is evidence that no harmful interference will occur to any authorized point-to-point facility in the 2160–2162 MHz band. Channel 2 may be assigned only if the transmitting antenna of the station is to be located within 16.1 kilometers (10 miles) of the coordinates of the following metropolitan areas:

Principal City	Coordinates
Akron, Ohio .....	Lat. 41°05'06" N., long. 81°31'06" W.
Albany-Schenectady-Troy, N.Y.	Lat. 42°39'00" N., long. 73°45'24" W.
Anaheim-Santa Ana-Garden Grove, Calif.	Lat. 33°46'30" N., long. 117°54'48" W.
Atlanta, Ga .....	Lat. 33°45'00" N., long. 84°23'12" W.
Baltimore, Md .....	Lat. 39°17'18" N., long. 76°37'00" W.
Birmingham, Ala .....	Lat. 33°30'42" N., long. 86°48'24" W.
Boston, Mass .....	Lat. 42°21'42" N., long. 71°03'30" W.
Buffalo, N.Y .....	Lat. 42°53'12" N., long. 78°52'30" W.
Chicago, Ill .....	Lat. 41°53'00" N., long. 87°37'30" W.
Cincinnati, Ohio .....	Lat. 39°06'00" N., long. 84°30'48" W.
Cleveland, Ohio .....	Lat. 41°29'48" N., long. 81°42'00" W.
Columbus, Ohio .....	Lat. 39°57'42" N., long. 83°00'06" W.
Dallas, Tex .....	Lat. 32°46'36" N., long. 96°48'42" W.
Dayton, Ohio .....	Lat. 39°45'24" N., long. 84°11'42" W.
Denver, Colo .....	Lat. 39°44'24" N., long. 104°59'18" W.
Detroit, Mich .....	Lat. 42°20'00" N., long. 83°03'00" W.
Fort Worth, Tex .....	Lat. 32°45'00" N., long. 97°17'42" W.
Gary, Ind .....	Lat. 41°36'00" N., long. 87°20'00" W.
Hartford, Conn .....	Lat. 41°46'00" N., long. 72°40'30" W.
Houston, Tex .....	Lat. 29°45'48" N., long. 95°21'42" W.
Indianapolis, Ind .....	Lat. 39°46'12" N., long. 86°09'18" W.
Kansas City, Mo .....	Lat. 39°06'00" N., long. 94°34'42" W.
Los Angeles-Long Beach, Calif.	Lat. 34°03'18" N., long. 118°15'00" W.
Louisville, Ky .....	Lat. 38°14'48" N., long. 85°45'42" W.
Memphis, Tenn .....	Lat. 35°07'30" N., long. 90°03'24" W.
Miami, Fla .....	Lat. 25°46'30" N., long. 80°11'24" W.
Milwaukee, Wis .....	Lat. 43°02'18" N., long. 87°54'48" W.
Minneapolis-St. Paul, Minn.	Lat. 44°59'00" N., long. 93°15'48" W.
New Orleans, La .....	Lat. 29°57'48" N., long. 90°03'48" W.
New York City, N.Y.-Newark-Jersey City-Paterson, N.J.	Lat. 40°42'30" N., long. 74°00'00" W.
Norfolk, Va .....	Lat. 36°50'42" N., long. 76°17'12" W.
Oklahoma City, Okla	Lat. 35°29'30" N., long. 97°30'12" W.
Philadelphia, Pa .....	Lat. 39°57'00" N., long. 75°09'48" W.
Phoenix, Ariz .....	Lat. 33°27'18" N., long. 112°04'24" W.
Pittsburgh, Pa .....	Lat. 40°26'12" N., long. 80°00'30" W.
Portland, Oreg .....	Lat. 45°32'06" N., long. 122°37'12" W.
Providence, R.I .....	Lat. 41°49'00" N., long. 71°24'24" W.

<sup>1</sup>No 125 kHz channels are provided for Channels E3, E4, F3, F4, H1, H2 and H3, except for those grandfathered for Channels E3, E4, F3 and F4. The 125 kHz channels associated with Channels E3, E4, F3, F4, H1, H2 and H3 are allocated to the Private Operational Fixed Point-to-Point Microwave Service, pursuant to § 101.147(g) of this chapter.

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Principal City	Coordinates
Rochester, N.Y. ....	Lat. 43°09'30" N., long. 77°36'30" W.
Sacramento, Calif. ....	Lat. 38°35'06" N., long. 121°29'24" W.
San Antonio, Tex. ....	Lat. 29°25'24" N., long. 98°29'43" W.
San Bernardino-Riverside, Calif. ....	Lat. 34°06'30" N., long. 117°18'36" W.
San Diego, Calif. ....	Lat. 32°42'48" N., long. 117°09'12" W.
San Francisco-Oakland, Calif. ....	Lat. 37°46'30" N., long. 122°25'00" W.
San Jose-Palo Alto-Sunnyvale, Calif. ....	Lat. 37°22'36" N., long. 122°02'00" W.
Seattle-Everett, Wash. ....	Lat. 47°35'48" N., long. 122°19'48" W.
St. Louis, Mo. ....	Lat. 38°37'00" N., long. 90°11'36" W.
Syracuse, N.Y. ....	Lat. 43°03'06" N., long. 76°09'00" W.
Tampa-St. Petersburg, Fla. ....	Lat. 27°57'06" N., long. 82°27'00" W.
Toledo, Ohio ....	Lat. 41°38'48" N., long. 83°32'30" W.
Washington, D.C. ....	Lat. 38°53'30" N., long. 77°02'00" W.

(d) An MDS licensee or conditional licensee may apply to exchange evenly one or more of its assigned channels with another MDS licensee or conditional licensee in the same system, or with an ITFS licensee or conditional licensee in the same system. The licensees or conditional licensees seeking to exchange channels shall file in tandem with the Commission separate pro forma assignment of license applications, each attaching an exhibit which clearly specifies that the application is filed pursuant to a channel exchange agreement. The exchanged channel(s) shall be regulated according to the requirements applicable to the assignee.

(e) Frequencies in the band segments 18,580–18,820 MHz and 18,920–19,160 MHz that were licensed or had applications pending before the Commission as of September 18, 1998 may continue those operations for point-to-point return links from a subscriber's location on a shared co-primary basis with other services under parts 25, 74, 78 and 101 of this chapter until June 8, 2010. Prior to June 8, 2010, such stations are subject to relocation by licensees in the fixed-satellite service. Such relocation is subject to the provisions of §§101.85 through 101.97 of this chapter. After June 8, 2010, such operations are not entitled to protection from fixed-satellite service operations and must not cause unacceptable interference to fixed-satellite service station operations. No new licenses will be granted in these bands after June 8, 2000.

(f) MDS H-channel applications. Frequencies in the bands 2650–2656 MHz,

2662–2668 MHz, or 2674–2680 MHz must be assigned only in accordance with the following conditions: All applications for MDS H-channel stations must specify either the H1, H2, or H3 channel for which an application is filed; however, the Commission may on its own initiative assign different channels in these frequency bands if it is determined that such action would serve the public interest.

(g) Frequencies in the bands 2150–2162 MHz, 2596–2644 MHz, 2650–2656 MHz, 2662–2668 MHz and 2674–2680 MHz are available for point-to-multipoint use and/or for communications between MDS response stations and response station hubs when authorized in accordance with the provisions of §21.909, provided that such frequencies may be employed for MDS response stations only when transmitting using digital modulation.

[44 FR 60534, Oct. 19, 1979, as amended at 48 FR 33900, July 26, 1983; 49 FR 25479, June 21, 1984; 49 FR 37777, Sept. 26, 1984; 55 FR 46009, Oct. 31, 1990; 56 FR 57598, Nov. 13, 1991; 56 FR 57817, Nov. 14, 1991; 58 FR 11798, Mar. 1, 1993; 58 FR 44895, Aug. 25, 1993; 60 FR 36552, July 17, 1995; 61 FR 26676, May 28, 1996; 63 FR 65102, Nov. 25, 1998; 64 FR 4054, Jan. 27, 1999; 64 FR 63731, Nov. 22, 1999; 65 FR 54169, Sept. 7, 2000]

EFFECTIVE DATE NOTE: At 65 FR 54169, Sept. 7, 2000, §21.901 was amended by revising paragraph (e), effective Oct. 10, 2000. For the convenience of the user, the superseded text is set forth as follows:

### § 21.901 Frequencies.

\* \* \* \* \*

(e) Frequencies in the band segments 18,580–18,820 MHz and 18,920–19,160 MHz are available for assignment to fixed stations in this service for a point-to-point return link from a subscriber's location. Assignments in the 18 GHz band for these return links will be made in accordance with the provisions of subpart I of part 101 of this chapter.

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### § 21.902 Interference.

(a) All applicants, conditional licensees, and licensees shall make exceptional efforts to avoid harmful interference to other users and to avoid blocking potential adjacent channel use in the same city and cochannel use in nearby cities. In areas where major